

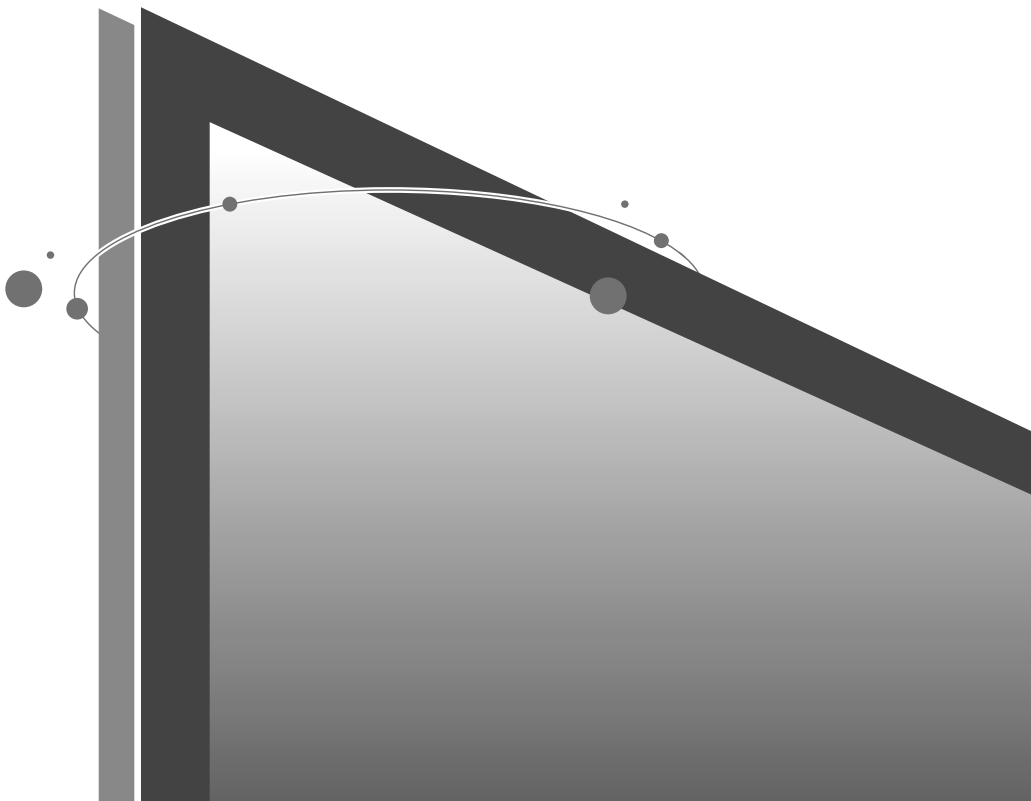


VIERA

Panasonic[®]

Operating Instructions
LCD TV

Model No. **TX-26LE8A**



VIERA
Link

HDMI[™]
HIGH-DEFINITION MULTIMEDIA INTERFACE

Please read these instructions before operating your set and retain them for future reference.
The images shown in this manual are for illustrative purposes only.

LG
TQB4GC0091









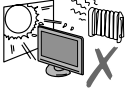
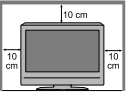

Dear Panasonic Customer

Welcome to the Panasonic family of customers. We hope that you will have many years of enjoyment from your new LCD TV.

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Warnings and Cautions

 <p>TV operating voltage: AC SINGLE 230V, 50Hz</p>	 <p>To prevent damage which might result in electric shock or fire, do not expose this TV set to rain or excessive moisture. This TV must not be exposed to dripping or splashing water, and objects filled with liquid, such as vases, must not be placed on top of or above the TV.</p>
 <p>Do not use at a voltage other than indicated. Take care not to damage the power cord. Do not use if the power cord or power plug is damaged, or if the plug does not fit tightly into the socket. Do not twist the lead, bend it excessively, or stretch it.</p>	 <p>Keep the unit away from below equipment</p> <ul style="list-style-type: none"> ● Electronic equipment Do not place video equipment near the unit. It may distort images/sound. ● Equipment with an infrared sensor This TV also emits infrared rays.
 <p>Do not touch the power plug if your hands are wet.</p>	 <p>Do not place the TV on an unstable surface.</p>
 <p>Do not remove the rear cover as live parts are accessible when it is removed. There are no user serviceable parts inside.</p>	 <p>Remove the plug from the wall outlet (Power point) when the TV set is not used for a prolonged period of time. The mains plug is used as the disconnecting device.</p>
 <p>Avoid exposing the TV set to direct sunlight and other sources of heat. To prevent fire, never place any type of candle or naked flame on top or near the TV set.</p>	<p>Maintenance</p> <p>First, remove the mains plug from the socket outlet. Wipe the surface clean using a soft cloth dampened with clean water. Then, using a soft dry cloth, evenly, wipe the surface clean until it is dry.</p>
  <p>Allow sufficient space around the unit for radiated heat. Do not block the rear air vents.</p>	<p>Caution</p> <ul style="list-style-type: none"> ● Do not tap or scratch the surface with your fingernail or other hard object. ● Use care not to subject the surface to bug repellent, solvent, thinner, or other volatile substances (this may degrade surface quality).

■ Install TV on a stable surface

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling.

Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

■ When cleaning the TV, remove the mains plug

- Cleaning an energized TV may cause electrical shock.

■ When the TV is not going to be used for a long period of time, remove the mains plug

- This TV will still consume some power even in the Off mode, as long as the mains plug is still connected to a live socket outlet.

■ Transport only in upright position

- Transporting the TV with its display panel facing upright or downward may cause damage to the internal circuitry.

■ Do not expose your ears to excessive volume from the headphones

- Irreversible damage can be caused.

■ Auto power standby function

- If no signal is received and no operation is performed in Analogue TV mode for 30 minutes, the TV will automatically go to standby mode.

Do not display a still picture for a long time

This causes the image to remain on the screen ("image retention").

This is not considered a malfunction and is not covered by the warranty.

Typical still images

- Programme number and other logos
- Image displayed in "4:3" mode
- Video game
- Computer image

To prevent image retention, contrast is lowered automatically after a few minutes if no signals are sent or no operations are performed.



Standard accessories

Remote Control Transmitter

- N2QAKB000065 or N2QAYB000227

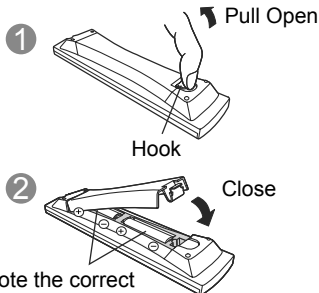


Batteries for the Remote Control Transmitter (2)

- R6 (AA)



Installing remote control batteries

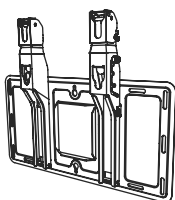


Caution

- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control unit.
- Do not mix old and new batteries.
- Do not mix different battery types.
- Do not use rechargeable (Ni-Cd) batteries.
- Do not burn or breakup batteries.

Optional accessories

Please contact your Panasonic dealer to purchase the recommended wall-hanging bracket. For additional details, please refer to the wall-hanging bracket installation manual.



TY-WK32LR2W



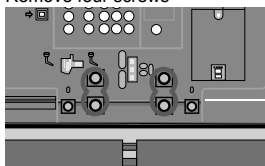
Wall-hanging
bracket
(Vertical)

WARNING

- Failure to use a Panasonic bracket or choosing to mount the unit yourself will be done at the risk of the consumer. Any damage resulting from not having a professional installer mount your unit will void your warranty.
- Always be sure to ask a qualified technician to carry out setup. Incorrect fitting may cause equipment to fall, resulting in injury and product damage.
- Do not mount this LCD Television directly below ceiling lights which typically give off high heat. Doing so may warp or damage plastic cabinet parts.

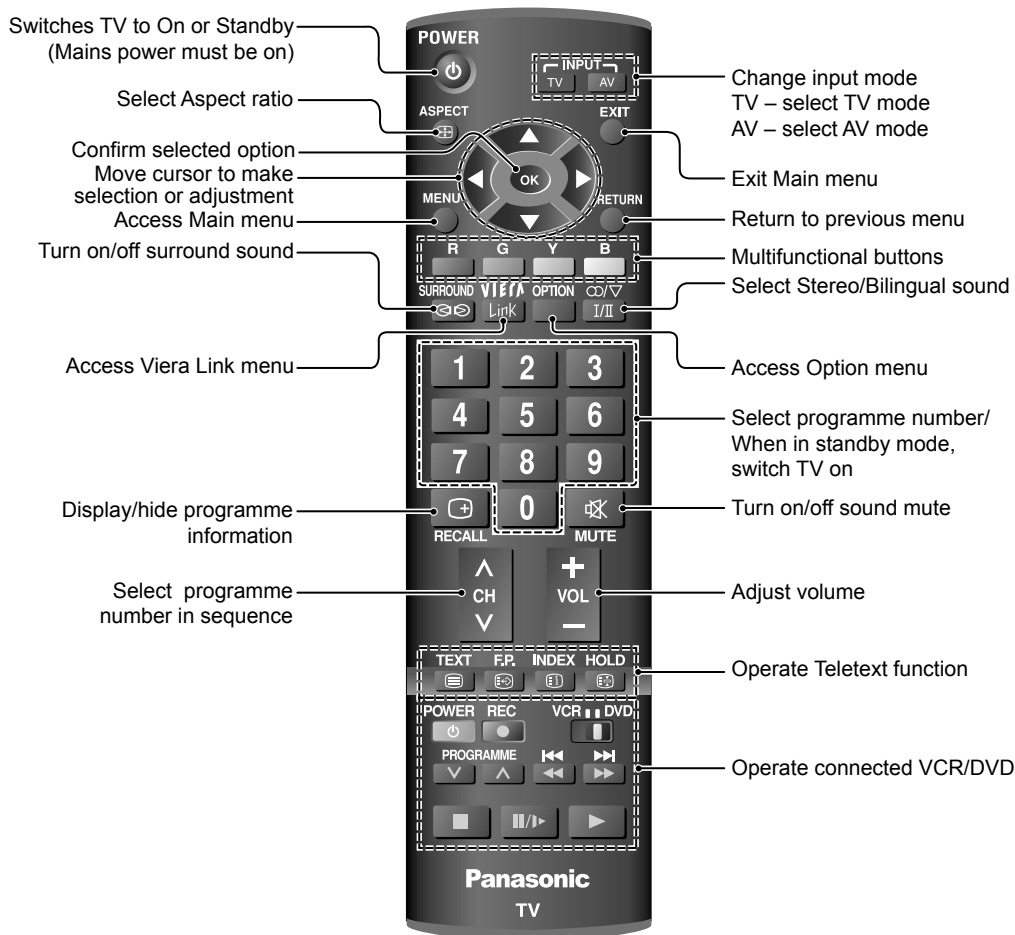
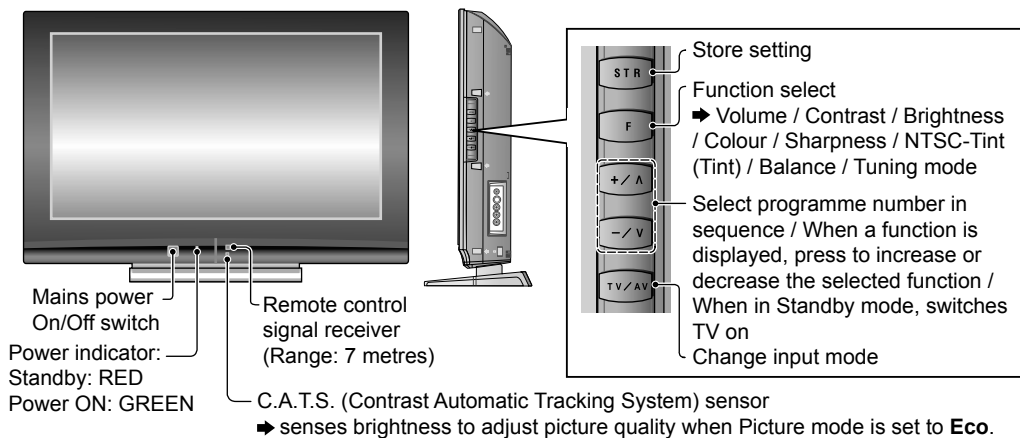
■ How to remove the TV stand

Remove four screws



Rear of the TV

Identifying Controls

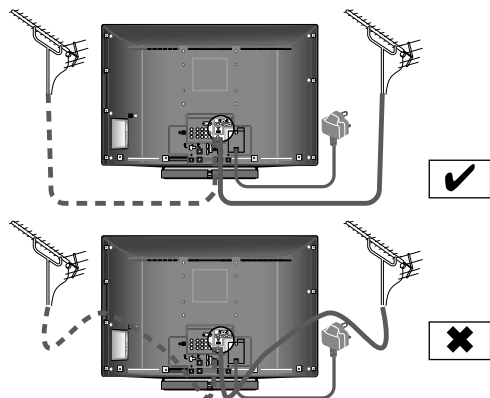
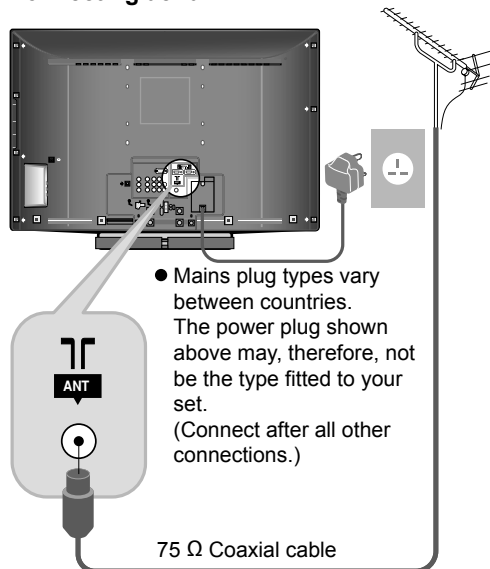


Basic Connection

External equipments and cables shown are not supplied with this TV.

Please ensure that unit is disconnected from the mains socket before attaching or disconnecting any leads.

Connecting aerial

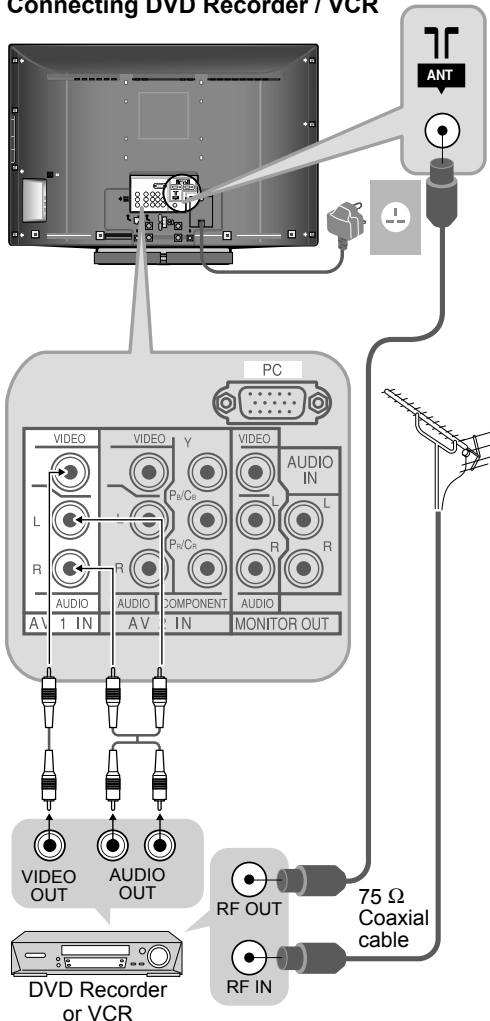


If the antenna is placed in the wrong location, interference might happen.

Note

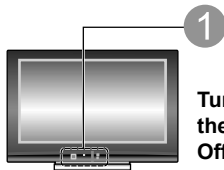
- Do not put the Coaxial cable close to the mains lead to avoid noise.
- Do not place the Coaxial cable under the TV.
- To obtain optimum quality picture and sound, an Aerial, the correct cable (75 Ω coaxial) and the correct terminating plug are required.
- If a communal Aerial system is used, you may require the correct connection cable and plug between the wall Aerial socket and the TV.
- Your local Television Service Centre or dealer may be able to assist you in obtaining the correct Aerial system for your particular area and the accessories required.
- Any matters regarding Aerial installation, upgrading of existing systems or accessories required, and the costs incurred, are the responsibility of you, the customer.

Connecting DVD Recorder / VCR



Initial Setup

These steps are not necessary if the setup has been completed by your local dealer.



Turn On the TV with the mains power On / Off switch

- You can now use the remote control to turn On the unit or turn the unit to standby mode.
- If you turned the TV Off during Standby mode last time, the TV will be in Standby mode when you turn the TV On with mains power On / Off switch.

Select the picture setting

Please select your viewing environment
MENU:Home RETURN:Shop

- "Home" is the recommended mode for viewing at home. Select "Home" for optimal picture / power consumption. "Shop" is for in-store display.
- If "Shop" is selected, the word "Shop" appears every time the TV is switched on. (page 9)
Home: "Viewing Mode" is set as "Standard". (page 15)
Shop: "Viewing Mode" is set as "Dynamic". (page 15)



Display the menu

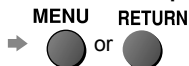
Main menu
VIERALink menu
Picture menu
Sound menu
Setup menu



● **To exit**



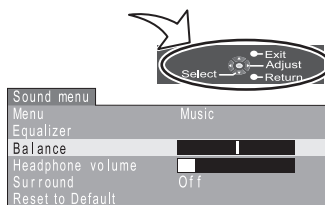
● **To return to the previous screen**



Need help with operations?

(example : Sound menu)

On-screen operation guide will help you.



Auto Tuning

- 1 Display the menu
- 2 Select and access "Setup menu"
- 3 Select and access "Tuning menu"
- 4 Select the item (Sys select / Auto tuning)



Main menu	
VIERA Link menu	
Picture menu	
Sound menu	
Setup menu	Access



Setup menu	
VIERA Link	Off
Teletext	FASTEXT
Off timer	Off
Child lock	Off
Blue back	On
VCR/GAME	Off
Tuning menu	Access
Viewing environment	Home



- 5 Change or access

- To exit

EXIT



- To return to the previous screen

MENU or **RETURN**



Tuning menu	
Sys select	Asia/M.East
Auto tuning	Access
Manual tuning	
Sound system	5, 5MHz
Colour system	Auto
Fine tuning	
Skip	Off



- **Sys select (System selection)**

Select the system of your area.

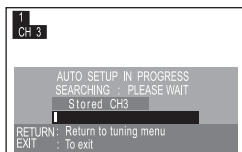
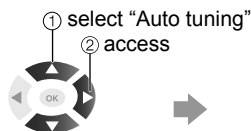
(China / HK/UK / Asia/M.East / NZ/INDONES / Australia / E.Europe / SPECL Ver / America / CATV / Japan)

- **Auto tuning**

Automatically set the channels received in your area.



Auto tuning is now complete and your TV is ready for viewing.



The TV will search for, locate, store and then sort into order your local stations.

Once Auto tuning is completed the TV will display the programme now stored on programme position 1.

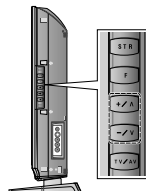
- If it is not the first time to perform Auto tuning, all previous tuning data will be erased.
- To edit channels → "Editing and Setting Channels" on page 17.
- Press the **EXIT** button at any time to go back to watching TV.



- **For Auto tuning using the buttons on the unit**

- 1 (Press until "Tuning mode" appears)
- 2 or (Access Tuning menu)
- 3 (Press until "Auto tuning" is reached)
- 4 or (Searching channels)
- 5 (Exit Tuning mode)

- **To return to TV**

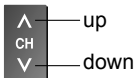


Watching TV

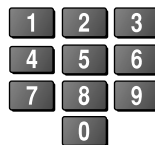
- 1 **Turn power on**
 - Mains power On/Off switch should be On.
 - If "Shop" is displayed on the top right of the screen, select "Home" in "Viewing Environment". (page 7)



- 2 **Select a programme number**



or




- To select a 2 or 3-digit programme number, eg. 39
 → **3** → **9** (in a short time)

● Other Useful Functions (Operate after 2)

Picture Still	Freeze / unfreeze picture HOLD 	<ul style="list-style-type: none"> ● Press the HOLD button to freeze the picture. (TV/VIDEO input only. Component / HDMI / PC input does not freeze.) Press again to return to watching the current programme.
Display the current programme status	Check or change the current programme status instantly OPTION 	<ul style="list-style-type: none"> ● To change → <ul style="list-style-type: none"> ② change ① select CH colour set → Adjusts colour density variation between broadcasting channels. <div> Note <ul style="list-style-type: none"> ● Also possible to change the settings in Menu list (page 15 and 16). </div>
Display status information	Recall status information 	<ul style="list-style-type: none"> ● Displayed information: For example, Programme number, Channel number, Stereo mode, Aspect mode, Sound menu, Picture menu, Sound system.
Change aspect ratio	Change the aspect ratio ASPECT 	<ul style="list-style-type: none"> ● Each press changes the mode. (16:9 / Just / 4:3 / Zoom1 / Zoom2 / Zoom3) <p>While the bar is displayed → </p> <div> </div> <div> </div>

Watching Videos and DVDs

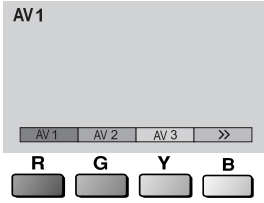
Once the equipment is connected, use the following procedure to view the input. (For connection, see "External Equipment" on page 23.)



- 1 **Display the input select menu**
- 2 **Select the input mode connected to the equipment**
- 3 **View**
 - To return to TV → **TV**

Note

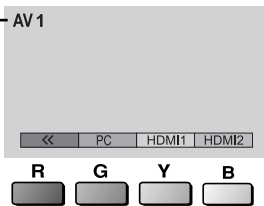
- If the external equipment has an aspect adjustment function for a connected TV, set to "16:9".
- You can also select the connector using the AV button on the remote control or side panel of the TV.



AV1

AV 1 AV 2 AV 3 >>

R G Y B




AV1

<< PC HDMI1 HDMI2 >>

R G Y B

Displays the selected mode

Setting your remote control to operate Panasonic VCR, DVD, etc.

① Set the VCR / DVD switch to the appropriate position → 

② Press and hold  during the following operations

Enter the appropriate code for the equipment to be controlled, see table below.

"VCR" position

Equipment	Code
VCR	10 (default)
DVD	11












"DVD" position

Equipment	Code
DVD	70 (default)
Home Player theatre	71

↓
Press 

Note

- Confirm correct operation after the code changed.
- The codes will be reset to default values if batteries are replaced.
- "DVD" means DVD player, DVD recorders and home theatre recorders.
- Some operations may not be possible on some equipment models.

	Select VCR to operate Panasonic VCR or DVD Select DVD to operate Panasonic DVD or Home Player theatre
	Standby mode / Turn on
	Playback video cassette / DVD
	Stop the operations
	VCR : Rewind, review the picture rapidly in reverse DVD : Play at slow speed Press and hold to search backward
	VCR : Fast-forward, view the picture rapidly forward DVD : Play at slow speed Press and hold to search forward
	Pause / Restart
	VCR : Select programme DVD : Skip the track or title
	Start recording

Viewing Teletext

- In FASTEXT mode, four differently coloured subjects are situated at the bottom of the display. To access more information about one of these subjects, press the corresponding coloured button. This facility enables fast access to information on the subjects shown.
- In List mode, four differently coloured page numbers are situated at the bottom of the screen. Each of these numbers can be altered and stored in the TV's memory.

● To change mode ➔ Select "Teletext" in Setup menu

1 Switch to Teletext

- Display Index
(content varies depending on the broadcasters)

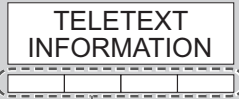


Current
page
number

P100

17:51 28 Feb

Time / date



Colour bar

2 Select the page



or



up

down

or



(corresponds to the colour bar)

or



● To adjust contrast



press twice



- As the blue bar is displayed.







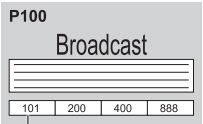









● To return to TV



● Using teletext conveniently

Reveal hidden data	Reveal hidden words e.g. quiz page answers MENU ➔ R ● Re-hide ➔ R		
FULL / TOP / BOTTOM	MENU ➔ G <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> P100 Broadcast <div style="display: flex; justify-content: space-between; width: 100%;"> - + 150 200 </div> </div> <div style="margin-right: 10px;">➔</div> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> (TOP) (BOTTOM) (Expand the BOTTOM half) </div> <div style="margin-right: 10px;">➔</div> <div style="border: 1px solid black; padding: 5px;"> Normal (FULL) P100 Broadcast <div style="display: flex; justify-content: space-between; width: 100%;"> - + 150 200 </div> </div> </div>		
HOLD	If you wish to hold the current page without updating HOLD Stop or resume automatic updating ● To resume ➔ HOLD Press again		

Viewing Teletext (continued)

INDEX	<p>Return to the main index page</p> <p>INDEX </p> <ul style="list-style-type: none"> ● FASTEXT mode only
Favourite pages	<p>F.P. </p> <ul style="list-style-type: none"> ● Call up the page stored in "blue". ● Factory setting is "P103".
Picture and text	<p>Watch TV and Teletext in two windows at once</p> <p>TEXT  Press twice → Select Picture and text On or Off</p>  <ul style="list-style-type: none"> ● Operations can be made only in Teletext screen.
Store frequently viewed pages	<p>Store frequently viewed pages (programme position 1 to 25) in the colour bar</p> <p>As page is displayed  →  Press and hold</p> <p>Corresponding colour button</p> <p>List mode only</p>  <p>The number changes to white.</p> <ul style="list-style-type: none"> ● To change stored pages <p>Enter new page number</p> <p>→  Colour button you want to change →  →  Press and hold</p>
View sub page	<p>View sub page (Only when teletext is more than one page)</p> <ul style="list-style-type: none"> ● To view specific sub page <p>MENU →  →  → Enter the 4-digit number example: P6 </p> <p>0006</p> <ul style="list-style-type: none"> ● Sub pages <p>The number of sub pages varies depending on the broadcasters (up to 79 pages).</p> <p>It may take some time for searching, during which time you can watch TV.</p>
Watch TV while waiting for updates	<p>Watch TV programme while searching for a teletext page</p> <p>Teletext automatically updates itself when new information becomes available.</p> <p>Changes to TV screen temporarily</p> <p>MENU →  →  Appears when updating is completed →  → View the updated page</p> <p>(You cannot change the channel.)</p> <ul style="list-style-type: none"> ● The news page provides a function that indicates arrival of latest news ("News Flash").

How to use Menu Functions

Various menus allow you to make settings for the picture, sound, and other functions so that you can enjoy watching TV in your own way.



1 Display the menu

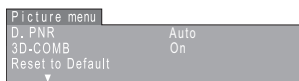
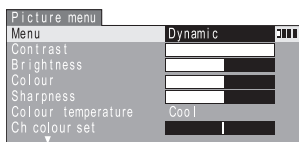


- Displays the functions that can be set (varies according to the input signal)

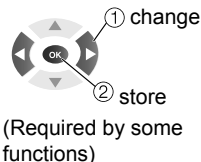
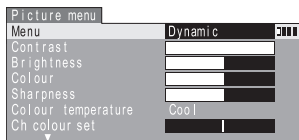
2 Select and access the menu



3 Select the item



4 Adjust or select



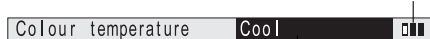
(Required by some functions)

● To return to TV



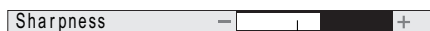
● Choose from among alternatives

Number and positions of alternatives



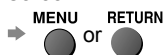
Changed

● Adjust using the slide bar



Moved

● To return to the previous screen



● Go to the next screen



Displays the next screen

How to use Menu Functions (continued)

Main Menu Overview

Main menu	
VIERA Link menu	Access
Picture menu	
Sound menu	
Setup menu	

VIERA Link menu	
Pause Live TV	
Direct TV Rec	Start
VIERA Link Control	Recorder
Speaker Selection	Home Cinema

Picture menu	
Menu	Dynamic
Contrast	
Brightness	
Colour	
Sharpness	
Colour temperature	Cool
Ch colour set	

Picture menu	
D. PNR	Auto
3D-COMB	On
Reset to Default	

Sound menu	
Menu	Music
Equalizer	
Balance	
Headphone volume	
Surround	Off
Reset to Default	

Setup menu	
VIERA Link	Off
Teletext	FASTEXT
Off timer	Off
Child lock	Off
Blue back	On
VCR/GAME	Off
Tuning menu	Access
Viewing environment	Home

Tuning menu	
Sys select	Asia/M. East
Auto tuning	Access
Manual tuning	
Sound system	5.5MHz
Colour system	Auto
Fine tuning	
Skip	Off

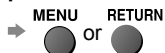
- 1
- 2
 - ① select
 - ② access
- 3
 - ① select
- 4
 - ① select
 - ② store

(Required by some functions)

● To return to TV



● To return to the previous screen



- Only available items can be selected.

Refer to
page 19,
23

Refer to page 8, 17

How to use Menu Functions (continued)

Menu	Item	Adjustment / Configurations
VIERA Link menu	Pause Live TV	Pause the live TV programme and resume later (page 20)
	Direct TV Rec	Control the connected DIGA recorder to start or stop recording current TV programme (page 20)
	VIERA Link Control	Controls the connected Panasonic equipment “Easy control only with VIERA remote control” (page 21) “Speaker control” (page 22)
	Speaker Selection	● You can also access VIERA Link Menu directly using the VIERA Link button on the remote control.
Picture menu	Menu	Basic picture mode (Dynamic / Standard / Cinema / Eco) ● Picture mode will be memorized for each TV, AV1, AV2, AV3, PC, HDMI1 and HDMI2 mode. ● C.A.T.S is in effect when picture mode is set to Eco.
	Adjust by each menu	Contrast, Brightness, Colour, Sharpness Adjusts colour, brightness, etc. for each picture mode to suit your taste
		NTSC-Tint Adjust tint of image ● For NTSC signal reception only. ● Item will be changed to “Tint” when receiving YUV (60Hz) or HDMI (60Hz) signal.
		Colour temperature Chooses the colour balance of the entire image (Cool / Standard / Warm)
		Ch colour set Colour density varying between broadcast channels can be adjusted to three levels for each reception channel ● Select the channel you want to adjust and set this function.
		D. PNR Automatically reduces image noise (Off / Strong / Weak / Auto) ● Set to Off when receiving a strong signal.
		3D-COMB If colour patterning is seen while watching still or slow moving pictures, set this function to On to obtain sharper and more accurate colours (Off / On) Displayed only when receiving PAL or NTSC signal. Not displayed during S-Video, Component and HDMI inputs.
		Reset to Default Press the OK, ◀ or ▶ button to reset the present Picture Menu to the default settings.
Sound menu	Menu	Basic sound mode (Music / News / Cinema) ● Sound mode will be memorized for each TV, AV1, AV2, AV3, PC, HDMI1 and HDMI2 mode.
	Equalizer	Adjust the equalizer for each sound mode. ● Press the ◀ or ▶ button to select frequency band. Then, press the △ or ▽ button to adjust the level. Applicable for speakers only. (Does not apply for Headphone.)

How to use Menu Functions (continued)

Menu	Item	Adjustment / Configurations
Sound menu	Balance	Adjusts volume level of right and left speakers
	Headphone volume	Adjusts the volume level of the headphones
	Surround	Gives a greater spatial effect by using dynamic enhancer (Off / On) ● Switching is also possible by SURROUND button on the remote control.
	HDMI1 input	Chooses according to the signal when HDMI is connected (Auto / Digital / Analogue) ● HDMI2 terminal is for digital signal only.
	Reset to Default	Press the OK button to reset the present Sound Menu to the default settings.
Setup menu	VIERA Link	VIERA Link function (Off / On) (page 19)
	Teletext	Teletext display mode (FASTEXT / List)
	Off timer	Sets the time the unit automatically turns Off (Off / 15 / 30 / 45 / 60 / 75 / 90) (minutes)
	Child lock	Child lock can be set for each channel and each AV mode Image and sound are not available during Child lock On (Black screen will appear) ● Select the channel or AV mode you want to lock and set this function.
	Blue back	Blue back display (Off / On) ● On: Blue back display when there are no signals ● Off: Blue back display off
	VCR/GAME	Reproduction of irregular signals, such as certain TV games and rental video tapes, may be improved. (Off / On)
	Tuning menu	Edits or sets channels (page 17)
	Colour system	Displayed during AV mode. If a clear picture with current colours cannot be obtained when a Broadcast or AV signal is received, this function is used. (Auto / PAL / SECAM / NTSC 4.43 / NTSC 3.58) ● PAL, SECAM and NTSC 3.58 are different colour signal broadcast transmission systems applicable to different countries. NTSC 4.43 is a trick playback mode used in special VCRs to playback NTSC recorded video tapes through PAL television equipment.
	Colour matrix	Displayed during AV mode. Available only with 480p or 576p input signals in a natural colour from digital equipment connected to AV2 Component terminals. Select SD or HD to adjust suitable colour parameters for SD (Standard definition) or HD (High definition) ● SD: Input signal is a normal TV system. ● HD: Input signal is a High-Definition system.
	Viewing environment	Set the appropriate picture mode based on viewing environment. ● Home: Picture mode is set as "Standard" (for optimal picture/power consumption for home viewing). ● Shop: Picture mode is set as "Dynamic" (for in-store display).

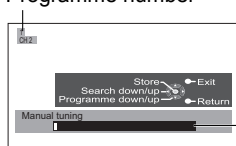
Editing and Setting Channels

The current channel settings can be changed according to your needs and reception conditions.

To freely change settings after Auto setup

① Select the programme number and search through the channel

Programme number



select programme



② Store

③ Repeat ① - ②

search

OK

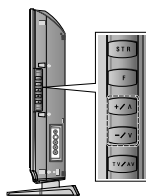
● If a VCR is connected with only the RF cable, select programme number "0".

● The programme number blinks

Channel

For Manual tuning using the buttons on the unit

- ① **F** (Press until "Tuning mode" appears)
- ② **- / V** or **+ / A** (Access Tuning menu)
- ③ **F** (Press until "Manual tuning" is reached)
- ④ **- / V** or **+ / A** (Access Manual tuning)
- ⑤ **TV / AV** (Programme, Channel (select), Sound system)
- ⑥ **- / V** or **+ / A** (Change programme or start searching channels)
- ⑦ **STR** (Store)
- ⑧ ⑤ - ⑦ (Repeat)



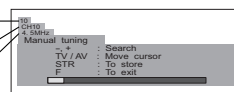
● To return to TV



Programme number (Blinks)

Channel number (Blinks)

Sound system (Blinks)



Set manually

Manual tuning

Edit

Sound system

Allows you to change the sound system used for a programme channel. (4.5MHz / 5.5MHz / 6.0MHz / 6.5MHz)

Select the channel you want to adjust ➡ Set this function ➡ **OK**

Edit

Colour system

Lets you select the correct transmission standard for the transmission signal being received (Auto / PAL / SECAM / NTSC 4.43 / NTSC 3.58)

Select the channel you want to adjust ➡ Set this function ➡ **OK**

● Normally, select "Auto"

Small adjustment

Fine tuning

For the small adjustments to the tuning of an individual channel (useful for example when weather conditions are affecting reception quality of a programme)

Select the channel you want to adjust ➡ Set this function ➡ **OK**

● To cancel Fine tuning, tune again by Manual tuning

Skip the programme


Skip

For skipping the programme numbers on which no TV stations are tuned

Select the programme numbers you want to skip ➡ Set "Skip" to "On" ➡ **OK**

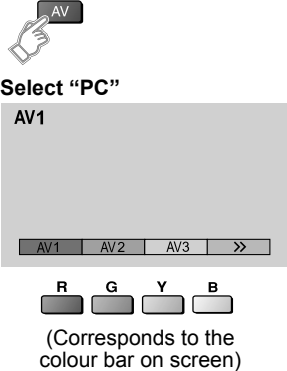
Displaying PC Screen on TV

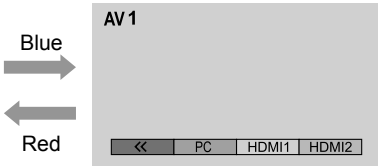
The screen of the PC connected to the TV can be displayed on the TV.
You can also listen to PC sound with the audio cable connected. To connect PC (page 23)



1 Select the external input

2 Select "PC"

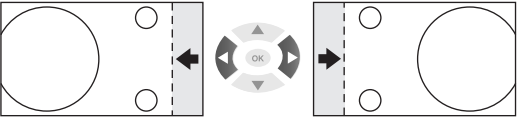
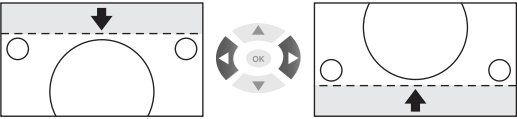




● To return to TV
→ EXIT

● Corresponding signals (page 27)

- **PC menu setting** (changed as desired)
To make settings ➡ "How to Use Menu Functions" 1 to 4 (page 13)

Menu	Item	Adjustment / Configurations (options)
Picture	Advanced PC Settings	R-Gain Adjusts the white balance for red areas
		G-Gain Adjusts the white balance for green areas
		B-Gain Adjusts the white balance for blue areas
		Gamma (2.0 / 2.2 / 2.5)
		Reset to Default Press the OK button to reset to the default setting.
Setup	PC Setup	Input Resolution Switches to a wide view ● VGA (640 × 480 pixels), WVGA (852 × 480 pixels), SVGA (800 × 600 pixels), XGA (1,024 × 768 pixels), WXGA (1,366 × 768 pixels) ● Options change depending on signals ● If "H-freq." or "V-freq." is shown in red, the signals may not be supported.
		Clock Set to the minimum level if noise occurs
		H-pos Adjusts horizontal position 
		V-pos Adjusts vertical position 
		Clock Phase Eliminates flicker and distortion ● Adjust after Clock adjustment ● Set to the minimum level if noise occurs
		Reset to Default Press the OK button to reset to the default setting.

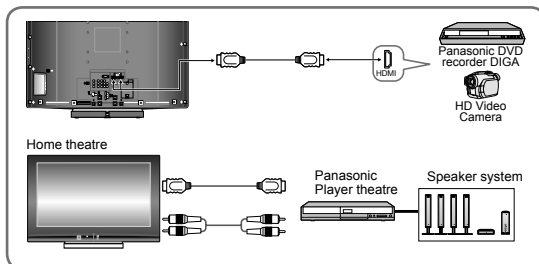
External Equipment

VIERA Link "HDAVI Control"

Enjoy additional HDMI Inter-Operability with Panasonic products which have "HDAVI Control" function. HDMI connections to some Panasonic equipment (Panasonic DVD Recorder DIGA) allow you to enjoy easy playback.

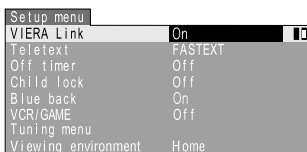
Connections for VIERA Link

- Use fully wired HDMI compliant cable.
- Easy control only with VIERA remote control.
- Read the manuals of the equipment too.



After connections turn the equipment on and then, switch the TV unit on.

- 1 Display the menu
- 2 Select and access "Setup menu"
- 3 Select "VIERA Link" and set to "On"



- Default setting is "On". If no HDMI equipment are connected or standard HDMI (non-"VIERA Link") are used, set to "Off".

Easy playback	Automatic Input switching - When the connected HDAVI control compatible equipment is operated, input mode is switched automatically.
Power on link	When "VIERA Link" is set to "On", the TV is automatically turned on and switched to the appropriate HDMI input whenever HDAVI control compatible equipment is initially turned on and Play mode is selected.
Power off link	When "VIERA Link" is set to "On" and the TV is turned off, the connected HDAVI control compatible equipment is also automatically turned off.

- The TV remains on even if the "VIERA Link" compatible equipment is turned off.

External Equipment (continued)

Using VIERA Link menu

Pause Live TV programme

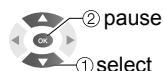
Pause Live TV

- This function is available with DIGA Recorder which has HDD and "HDAVI Control" function when watching TV programme or input from DIGA Recorder.
- If you cannot operate, check the "VIERA Link" setting in "Setup menu" (page 19) and the equipment.

① Display "VIERA Link menu"



② Select "Pause Live TV" and press OK to pause

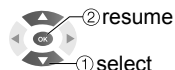


Live TV programme is recorded on HDD from the point it was paused.

■ To resume (stop pause)

Select "Pause Live TV" and press OK.

About the operation after resuming, refer to the manual of the equipment.



■ To return to Live TV (cancel pause or resume playback)

Change the input mode or programme number.



- If you cancel pause or resume playback, the recorded programme will be deleted from HDD.

Direct TV recording

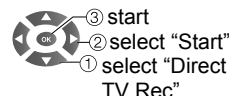
Direct TV Rec

- This function is available with DIGA Recorder which has HDD and "HDAVI Control" function when watching TV programme.
- If you cannot operate, check the "VIERA Link" setting in "Setup menu" (page 19) and the equipment.
- The recording is performed using the tuner of DIGA Recorder. During recording, you can change the programme number, input mode or turn off the TV.

① Display "VIERA Link menu"

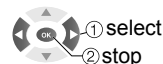


② Select "Start" in "Direct TV Rec", and press OK to start recording



■ To stop recording

Select "Stop" in "Direct TV Rec", and press OK.



External Equipment (continued)

Easy control only
with VIERA remote
control

**VIERA
Link
Control**

You can control some functions of the connected Panasonic equipment with this TV remote control (point the remote control at the TV's signal receiver).

- This function is available with equipment which has "HDAVI Control" function.
- If you cannot operate, check the "VIERA Link" setting in "Setup menu" (page 19) and the equipment.

1 Display "VIERA Link menu"



2 Select "VIERA Link Control"



select

3 Select the connected equipment which you want to access



① select
② access

The menu of the equipment is displayed.

4 Operate the menu of the equipment

- Available VIERA remote control buttons (depending on the connected equipment):

	Move cursor / select menu
	Move cursor / access / adjust
	Store / set / access
	Return to the previous menu
	Exit the menu
	Display the operation guide of the equipment / The same functions with the OPTION button of the equipment
	Access when the key words are displayed on colour bar

- When the equipment with "HDAVI Control" function is connected but you cannot access it, use the equipment remote control to operate it.

Speaker control

Speaker Selection

You can control the theatre speaker with this TV remote control (point the remote control at the TV's signal receiver).

- This function is available with Amplifier or Player theatre which has "HDAVI Control" function.
- If you cannot operate, check the "VIERA Link" setting in "Setup menu" (page 19) and the equipment.

1 Display "VIERA Link menu"





2 Select "Speaker Selection"



3 Set to "Home Cinema" or "TV"

■ Home Cinema

Amplifier or Player theatre will be automatically turned on if it is in Standby mode and sound will be output from the theatre speakers connected to the equipment.

- Volume up / down ➡ 
- Mute ➡ 
- The sound of TV speakers is mute.
- When the equipment is turned off, TV speakers will be active.

■ TV

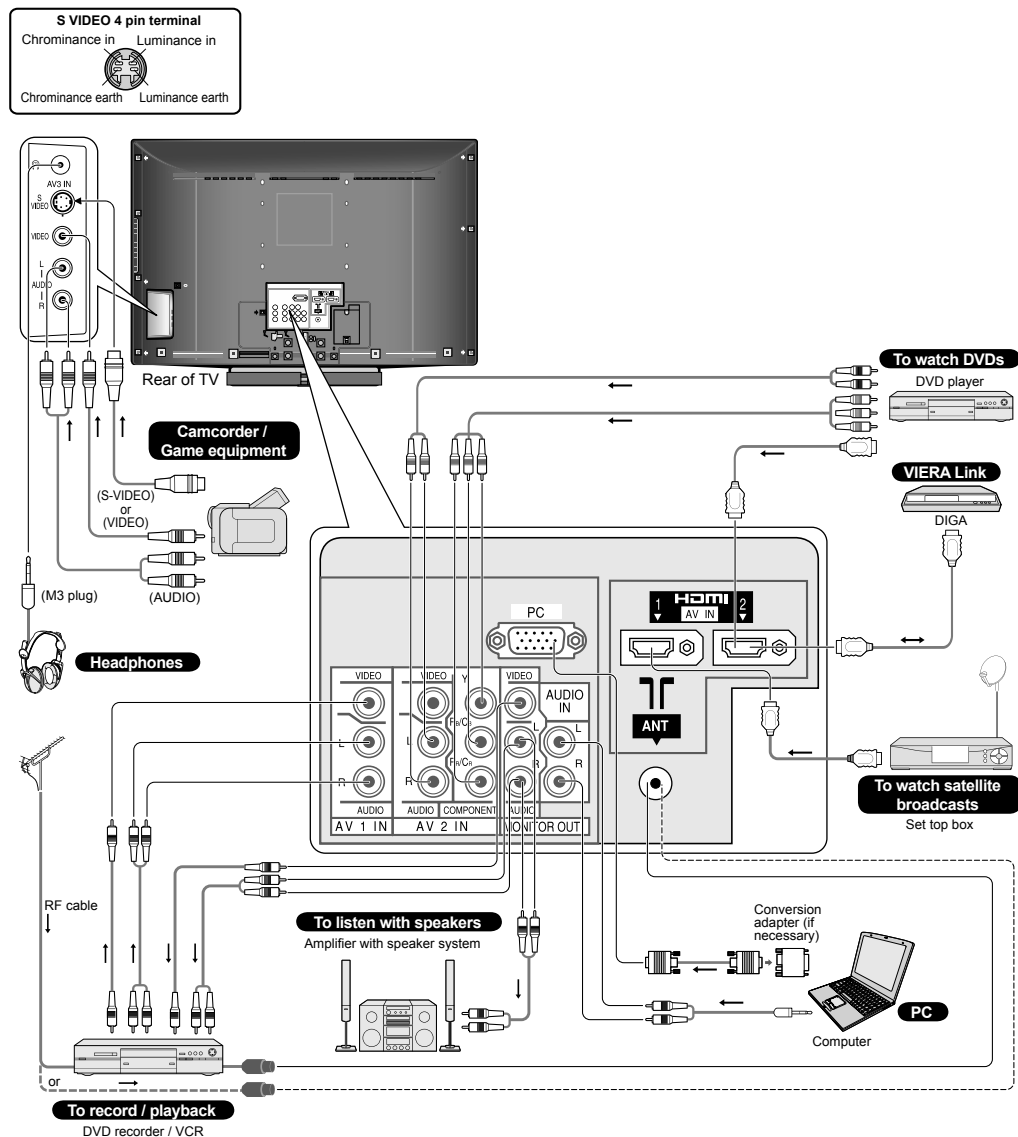
TV speakers are active.

Note

- This function may not work properly depending on the connected equipment.
- Image or sound may not be available for the first few seconds when playback starts or input mode is switched.
- Volume function will be displayed when adjusting the volume of the equipment.
- Easy playback is also available when using the remote control for Amplifier or Player theatre. Read the manual of the equipment.
- About HDMI cable for connecting Panasonic HD Video Camera, read the manual of the equipment.
- If more than one equipment of the same type are connected to the TV by HDMI cables, for example two DIGA Recorders to HDMI1 and HDMI2, VIERA Link will only be available for the lower terminal number, in this case HDMI1.
- "HDAVI Control 3" is the latest standard (current as of December, 2007) for HDAVI Control compatible equipment. This standard is compatible with conventional HDAVI equipment.



External Equipment (continued)

These diagrams show our recommendations for how to connect the TV unit to your various equipment.



External Equipment (continued)

Types of connectable equipment to each connector

Connector Recording/ Playback (equipment)	○ AV1 ○ IN ○	○ AV2 ○ IN ○	○ AV3 ○ IN ○	○ MONITOR ○ OUT ○	○ HDMI1 ○ AUDIO IN  HDMI 1	 HDMI 2
To record / playback (VCR / DVD recorder)	○	○	○	○		
To watch DVDs	○	○	○		○	○
To watch camcorder images (Video camera)	○	○	○		○	○
To watch satellite broadcasts (Set top box)		○			○	
To play games	○	○	○			
VIERA Link					○	○

- Connect the S-VIDEO or VIDEO terminal when using AV3 IN terminals.
● Connect the COMPONENT or VIDEO terminal when using AV2 IN terminals.
- Recommended Connection

Aspect Ratio

The optimum size and aspect can be chosen, and you can enjoy finer images.

Signal name		Aspect modes					
		16:9	JUST	4:3	ZOOM1	ZOOM2	ZOOM3
TV/AV1 AV2/AV3	PAL I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	PAL 525/60	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	M.NTSC	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	NTSC	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
COMPONENT/HDMI	525(480)/60i	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	525(480)/60p	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	625(576)/50i	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	625(576)/50p	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	750(720)/50p	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	750(720)/60p	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	1125(1080)/50i	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	1125(1080)/60i	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PC input		<input type="radio"/>	-	<input type="radio"/>	-	-	-

Note

- The ratio varies depending on the programme, etc. If the ratio is greater than the standard "16:9" black bands may appear at the top and bottom of the screen.
- If the screen size looks unusual when a widescreen-recorded programme is played back on a VCR, adjust the tracking of the VCR.
- To select the ratio manually : (Only "16:9" or "4:3" in PC mode).

16:9



Directly displays the image at "16:9" without distortion (anamorphic).

JUST



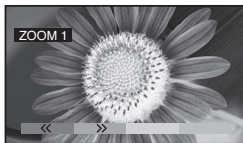
Displays a "4:3" image full-screen. Stretching is only noticeable at the left and right edges.

4:3



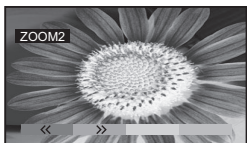
Displays the image at the standard "4:3" without distortion.

ZOOM1



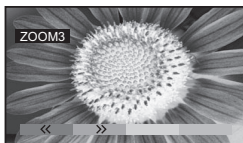
Displays a "16:9" letterbox or "4:3" image without distortion.

ZOOM2



Displays a "16:9" letterbox (anamorphic) image full-screen without distortion.

ZOOM3



Displays a "21:9" letterbox (anamorphic) image full-screen without distortion. At "16:9", displays the image at its maximum (with slight enlargement).

HDMI Connection

HDMI (High-Definition Multimedia Interface) allows you to enjoy high-definition digital images and high quality sound by connecting the TV and the equipment.

HDMI-compatible equipment (*1) with a HDMI or DVI output terminal, such as a set top box or a DVD player, can be connected to the HDMI terminal using a HDMI compliant (fully wired) cable. About connections see “External Equipment” on page 23.

Note

- HDMI is the world's first complete digital consumer AV interface complying with a non-compression standard.
- If the external equipment has only a DVI output, connect to the HDMI1 terminal via a DVI to HDMI adapter cable (*2).
- When the DVI to HDMI adapter cable is used, connect the audio cable to the audio input terminal (HDMI1: use AUDIO IN terminals).
- Audio setting can be made on the “HDMI1 Input” menu screen.
- Applicable audio signal sampling frequencies (2ch L.PCM) : 48 kHz, 44.1 kHz, 32 kHz.
- HDMI2 terminal is for digital audio signal only.
- Use with a PC is not assumed.
- If the connected equipment has an aspect adjustment function, set the aspect ratio to “16:9”.
- These HDMI connectors are “type A”.
- An equipment having no digital output terminal may be connected to the input terminal of either “Component”, “S-VIDEO”, or “Video” to receive analogue signals.
- The HDMI input terminal can be used with only following image signals : 480i, 480p, 576i, 576p, 720p and 1080i. Match the output setting of the digital equipment.
- For details of the applicable HDMI signals, see page 27.

(*1) : The HDMI logo is displayed on an HDMI-compliant equipment.

(*2) : Enquire at your local digital equipment retailer shop.

PC connection

A PC may be connected to this TV so that the PC screen is displayed and sound is heard from the TV.

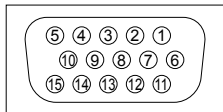
- A PC adapter is not necessary for the DOS/V-compliant D-sub 15-pin connector.

Note

- Some PC models cannot be connected to this TV.
- When using PC, set the colour display quality of PC to the highest position.
- For details of the applicable PC signals, see below.
- Max. display resolution

Aspect	4:3	1,024 x 768 pixels
	16:9	1,366 x 768 pixels

- D-sub 15-pin connector signal



Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
①	R	⑥	GND (Ground)	⑪	NC (not connected)
②	G	⑦	GND (Ground)	⑫	NC (not connected)
③	B	⑧	GND (Ground)	⑬	HD
④	NC (not connected)	⑨	NC (not connected)	⑭	VD
⑤	GND (Ground)	⑩	GND (Ground)	⑮	NC (not connected)

Control with VIERA Link

HDMI connections to some Panasonic equipment allow you to enjoy the easy playback.

- Setup the equipment to enable this function. Read the manual of the equipment.
- Switch the TV until on again with the equipment on when connection or setup is changed.
- This function may not work normally depending on the equipment condition.
- The equipment can be operated by TV's remote control with this function on even if TV is in Standby mode.
- Image or sound may not be available for the first few seconds when the playback starts.
- Image or sound may not be available for the first few seconds when the input mode is switched.
- Easy playback is also available by using the remote control from Amplifier or Player theatre.
Read the manual of the equipment.

Input signal that can be displayed

Mark : Applicable input signal for Component (Y, Pb/Cb, Pr/Cr) and HDMI

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component	HDMI
525 (480) / 60i	15.73	59.94	*	*
525 (480) / 60p	31.47	59.94	*	*
625 (576) / 50i	15.63	50.00	*	*
625 (576) / 50p	31.25	50.00	*	*
750 (720) / 60p	45.00	60.00	*	*
750 (720) / 50p	37.50	50.00	*	*
1,125 (1,080) / 60i	33.75	60.00	*	*
1,125 (1,080) / 50i	28.13	50.00	*	*


PC (D-sub 15P)


Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 480 @60 Hz	31.47	59.94
800 × 600 @60 Hz	37.88	60.32
852 × 480 @60 Hz	31.47	59.94
1,024 × 768 @60 Hz	48.36	60.00
1,366 × 768 @60 Hz	48.39	60.04

Note

- Signals other than the above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.
- Applicable input signal for PC is basically compatible to VESA standard timing.
- PC signal is magnified or compressed for display, so that it may not be possible to show fine detail with sufficient clarity.










Stereo / Bilingual Sound Selection

 When you receive stereo / bilingual sound system, sound output modes can be selected by pressing the Stereo / Bilingual Sound Selection button.

Audio Signal	Mode Indicator
STEREO	
MONO	
MAIN I	I
SUB II	II

Note

- If the stereo signal is poor or the receiving conditions are not optimum or if STEREO : MONO automatic switching occurs, it is recommended you switch from STEREO to MONO.
- Even when the contents of the receiving signal undergo changes, selection mode is kept intact.
- When the receiving conditions deteriorate, listening will be easier if the mode is set to the MONO position using the stereo / bilingual sound selection button.
- DUAL, also known as DUAL MONO or as BILINGUAL is not currently transmitted in some countries.

	Type of broadcast	Mode Indicator
NICAM	Regular broadcast (Standard Audio)	No Indicator 
	(Regular) + NICAM MONO I (MAIN I)	I 
	NICAM STEREO	 
	NICAM DUAL MONO (MAIN I / SUB II)	I  II
A2 (German)	Regular broadcast (Standard Audio)	No Indicator 
	BILINGUAL or DUAL MONO : MAIN I / SUB II	I  II
	STEREO	 

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- Macintosh is a registered trademark of Apple Computer, USA.
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FAQs

Before requesting service or assistance, please follow these simple guides to resolve the problem. If problem still persists, please contact your local Panasonic dealer or Panasonic Customer Care Centre for assistance.

White spots or shadow images (noise)



- Check the position, direction, and connection of the aerial.

The main unit is hot

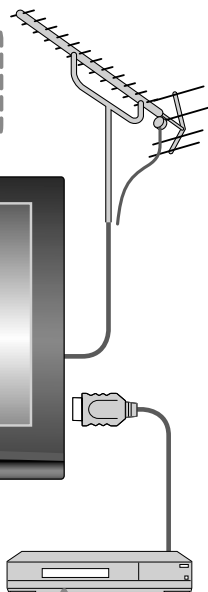
- The main unit radiates heat and some of the parts may become hot. This is not a problem for performance or quality. Setup in a location with good ventilation. Do not cover the ventilation holes of the TV with a tablecloth, etc., and do not place on top of other equipment.

There may be red spots, blue spots, green spots and black spots on the screen.

- This is a characteristic of liquid crystal panels and is not a problem. The liquid crystal panel is built with very high precision technology giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as fixed points of red, blue, green or black. Please note this does not affect the performance of your LCD.

"Shop" appears on screen at switch on

- "Shop" was selected in "Initial Setup". Select "Home" in "Viewing Environment". (page 7)



Pictures from an equipment are unusual when the equipment is connected via HDMI

















- Is the HDMI cable connected properly? (page 23)
- Turn Off the TV unit and equipment, then turn them On again.
- Check an input signal from the equipment. (page 27)
- Use an equipment compliant with EIA/CEA-861/861B.

The remote control does not work

- Are the batteries installed correctly? (page 4)
- Has the TV unit been switched On?
- Has the battery run down?



Troubleshooting

Symptoms			Checks
Picture	Sound		
 Snowy Picture	 Noisy Sound	Aerial location, direction or connection	
 Multiple Image	 Normal Sound	Aerial location, direction or connections	
 Interference	 Noisy Sound	Electrical appliances Cars, motorcycles Fluorescent lights	
 Normal Picture	 No Sound	Volume level Sound mute switched on.	
 No Picture	 No Sound	Is the unit in “AV mode”?, Is the mains lead plugged into the socket outlet?, Is the TV unit turned On? Check Picture menu and volume.	
 No Colour	 Normal Sound	Colour Control set at minimum levels. Colour system	
 Poor or Distorted Picture	 Weak or No sound	Retune Channel(s).	
 Normal Picture	 Weak or Distorted sound	Sound reception may have deteriorated. Sound system.	
There may be red spots, blue spots, green spots and black spots on the screen		This is a characteristic of liquid crystal panels and is not a problem. The liquid crystal panel is built with very high precision technology giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as fixed points of red, blue, green or black. Please note this does not affect the performance of your LCD.	
HDMI	“VIERA Link” function does not work		Switch the TV unit on again with the equipment on. Set “VIERA Link” to “Off”, then set to “On” again.
	Poor Video. (Snow noise, no picture, picture runs, etc.)		HDMI cable is not connected securely. Turn OFF the power supply of the TV and connected equipment OFF then turn on again. Check compatibility of input signal from the connected equipment. The connected equipment must be EIA/CEA-861/861B compliant.
	Poor Audio		Change the audio setting of the connected equipment to L.PCM Check the “HDMI1 input” setting in the Sound menu. If digital sound connected has a problem, select analogue sound (DVI) connected.
	The error message appears.		Please consult an Authorized Service Center.

Specifications

Power Source			AC SINGLE 230V, 50Hz																																																							
Power consumption	Average use		102 W																																																							
	Standby condition		1.0 W																																																							
LCD Panel	Aspect Ratio		16:9																																																							
	Visible screen size (No. of pixels)		66.1 cm (diagonal) 576 mm (W) x 324 mm (H) 1,049,088 (1,366 (W) x 768 (H))																																																							
	Sound		Full range x 2 pcs, 8 Ω 20 W (10 W + 10 W), 10% THD M3 (3.5 mm) Jack x 1																																																							
PC signals			VGA, SVGA, XGA, WVGA, WXGA Vertical scanning frequency 60 Hz																																																							
Receiving Systems / Band name			<table><tr><td colspan="2">17 Systems</td><td colspan="2">Function</td><td colspan="2">17 Systems</td><td colspan="2">Function</td></tr><tr><td>1</td><td>PAL B, G, H</td><td rowspan="7">Reception of broadcast transmissions and playback from Video Cassette Tape Recorders.</td><td>8</td><td>NTSC 4.43 / 5.5MHz</td><td rowspan="5">Playback from Special VCR's or DVD.</td></tr><tr><td>2</td><td>PAL I</td><td>9</td><td>NTSC 4.43 / 6.0MHz</td></tr><tr><td>3</td><td>PAL D, K</td><td>10</td><td>NTSC 4.43 / 6.5MHz</td></tr><tr><td>4</td><td>SECAM B, G</td><td>11</td><td>NTSC 3.58 / 5.5MHz</td></tr><tr><td>5</td><td>SECAM D, K</td><td>12</td><td>NTSC 3.58 / 6.0MHz</td></tr><tr><td>6</td><td>SECAM K1</td><td>13</td><td>NTSC 3.58 / 6.5MHz</td></tr><tr><td>7</td><td>NTSC M (NTSC 3.58 / 4.5MHz)</td><td>14</td><td>SECAM I</td><td rowspan="3">Playback from Special Disc Players and Special VCR's or DVD.</td></tr><tr><td colspan="2"></td><td>15</td><td>PAL 60Hz / 5.5MHz</td></tr><tr><td colspan="2"></td><td>16</td><td>PAL 60Hz / 6.0MHz</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td>17</td><td>PAL 60Hz / 6.5MHz</td></tr></table>			17 Systems		Function		17 Systems		Function		1	PAL B, G, H	Reception of broadcast transmissions and playback from Video Cassette Tape Recorders.	8	NTSC 4.43 / 5.5MHz	Playback from Special VCR's or DVD.	2	PAL I	9	NTSC 4.43 / 6.0MHz	3	PAL D, K	10	NTSC 4.43 / 6.5MHz	4	SECAM B, G	11	NTSC 3.58 / 5.5MHz	5	SECAM D, K	12	NTSC 3.58 / 6.0MHz	6	SECAM K1	13	NTSC 3.58 / 6.5MHz	7	NTSC M (NTSC 3.58 / 4.5MHz)	14	SECAM I	Playback from Special Disc Players and Special VCR's or DVD.			15	PAL 60Hz / 5.5MHz			16	PAL 60Hz / 6.0MHz					17	PAL 60Hz / 6.5MHz
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Aerial - Rear			VHF / UHF																																																							
Operating Conditions			Temperature : 0°C - 40°C Humidity : 20 % - 80 % RH (non-condensing)																																																							
Connection Terminal	AV1 Input	AUDIO L-R VIDEO	RCA PIN Type x 2 0.5 V [rms] RCA PIN Type x 1 1.0 V [p-p] (75 Ω)																																																							
	AV2 Input	AUDIO L-R VIDEO	RCA PIN Type x 2 0.5 V [rms] RCA PIN Type x 1 1.0 V [p-p] (75 Ω)																																																							
		COMPONENT	Y 1.0 V [p-p] (including synchronization) Pb/Cb, Pr/Cr ± 0.35 V [p-p]																																																							
	AV3 Input	AUDIO L-R VIDEO S VIDEO	RCA PIN Type x 2 0.5 V [rms] RCA PIN Type x 1 1.0 V [p-p] (75 Ω) Mini DIN 4 - pin Y:1.0 V [p-p] (75 Ω) C:0.286 V [p-p] (75 Ω)																																																							
	Others	HDMI 1/2 Input	TYPE A Connectors																																																							
		Audio Input for HDMI1	RCA PIN Type x 2 0.5 V [rms]																																																							
		PC Input	HIGH-DENSITY D-SUB 15PIN R, G, B/0.7 V[p-p] (75 Ω) HD, VD/TTL Level 2.0 - 5.0 V[p-p] (high impedance)																																																							
Monitor Output	AUDIO L-R VIDEO	RCA PIN Type x 2 0.5 V [rms] (High impedance) RCA PIN Type x 1 1.0 V [p-p] (75 Ω)																																																								
Dimension (WxHxD)	Including TV stand		700 x 504 x 225 (mm)																																																							
	TV set only		700 x 466 x 110 (mm)																																																							
Net Weight			12.5 ka																																																							

Note

- Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

WARRANTY - New Zealand only

WE WARRANT that the Panasonic Television that you have purchased is free from defects in material and workmanship under normal home use and service.

Accordingly, we undertake to repair, or at our option, replace without cost to the owner, either for material or labour, any part which within 12 months from the date of delivery is found to be defective, provided that the appliance has been used for domestic purposes only and in accordance with the instructions given in the Instruction Book and not been subjected to misuse, neglect or installed, dismantled, repaired or serviced by any other than an authorised Panasonic New Zealand Dealer or Panasonic New Zealand Authorised Service Centre.

NOTE

- Before reporting a fault, please ensure that you read the item "Troubleshooting" in the information section of your Panasonic Instruction Book.
- It is important to retain your proof of purchase as this will be required by the serviceman or retailer as proof of purchase date, should service be required.
- In the event of service being required, contact your Panasonic New Zealand retailer or Panasonic New Zealand Authorised Service Centre.

IMPORTANT

Any request for warranty service must be through an Authorised Panasonic New Zealand Service Centre who during the period of the warranty, undertakes to make any necessary adjustment and fit any replacement part supplied by the manufacturer, during normal working hours, or alternatively will arrange for such service to be provided by some other Panasonic New Zealand Authorised Service Centre.

NEW ZEALAND

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350 Te Irirangi Drive East Tamaki, Private Bag 14911, Panmure Auckland

Tel. 09 272 0100

Customer Care Center

Email: Customerservice@nz.panasonic.com

www.panasonic.co.nz

Customer's Record

The model number and serial number of this product may be found on its rear panel. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number _____

Serial Number _____

Panasonic Corporation

Central P.O. Box 288, Osaka 530-8692, Japan.